



Patent No. 6406872  
GENERAL INFORMATION:  
APPLICANT: Bamber, Bruce  
APPLICANT: Jorgensen, Erik  
TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and  
TITLE OF INVENTION: Methods Related Thereto  
FILE REFERENCE: 21101.0009U3  
CURRENT APPLICATION NUMBER: US/09/627,650B  
CURRENT FILING DATE: 2000-07-28  
PRIOR APPLICATION NUMBER: 09/436,063  
PRIOR FILING DATE: 1999-11-08  
PRIOR APPLICATION NUMBER: 60/107,727  
PRIOR FILING DATE: 1998-11-09  
NUMBER OF SEQ ID NOS: 50  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 7  
LENGTH: 2508  
TYPE: PRT  
ORGANISM: Caenorhabditis elegans  
US-09-627-650B-7

Query Match 10.0%; Score 233.5; DB 4; Length 2508;  
Best Local Similarity 26.7%; Pred. No. 4.5e-11;  
Matches 112; Conservative 13; Mismatches 188; Indels 107; Gaps 17;

QY 27 TQTQAGLTDVGAADLTGTCVCRPNFYNGGAAGGANGNPPFAANNAARGICVPCQINRV 86  
DB 1500 TCTAAGCTTAACTCGTC-----GGACAAGAT-----CCAGGAGAACGCAAGTG 1544  
QY 87 GSVTNAGDLATATQC-----STQPTGTALDDGVDVDFDRSAACQCKPNFYNGGSPQ 142  
DB 1545 GCAGCAG-----ATCCACTGATGC--GTATTCAGCGGCCGAATTCGAGTACAAATGGT-- 1595  
QY 143 GRAPGVQVFAAGAAAGVAAVTSCVPCQLNKNDSPATAG-----AQNLATQCSN 193  
DB 1596 GTACGTCTGAGGAGCGCAATTTGTCGAC-AGCGGTCAAGCCGACGCGAACAATCGAACTG 1654  
QY 194 QPTGTVLDDGVLVFNVT-SATLCVKCRPNFYNGSGPOGEAPGVQVFAAGAAAGVAAV 252  
DB 1655 TCGAGTTATAAATTCACATAAATCTGC-----CAAAAACGACAC 1694  
QY 253 TSOCVPCQINKNDSPATAGAQANLATOCSTQPTGTALQGVTLVFSNSTQ----- 304  
DB 1695 TTGC--CAGCACTTCATCGGGGACCTACTCTCGTCTACGGGTAGTTTCATATTTGATCG 1752  
QY 305 CSOCIANYFNGFNFGKSKQLCPVSKTTPAHAPGNMTATQATQCLTTCPAGTVLDDGTS 364  
DB 1753 CGAC-----AGCGGCTTCTACTTCTTCAATAATTTTC--C----- 1787  
QY 365 TNEVASATECTKCSAGFFASKTGTGTAGTDTCTECTKLTSGATAKYAEATKQVOCAS 424  
DB 1788 -----CTGCAGCCTCGTCG-TAGTTTTATCA---TGGATCTCATCTCGATCAAT 1834

RESULT 4  
US-09-436-063C-7  
Sequence 7, Application US/09436063C  
Patent No. 6407210  
GENERAL INFORMATION:  
APPLICANT: Bamber, Bruce  
APPLICANT: Jorgensen, Erik  
TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and  
TITLE OF INVENTION: Methods Related Thereto  
FILE REFERENCE: P-1095corrected  
CURRENT APPLICATION NUMBER: US/09/436,063C  
CURRENT FILING DATE: 1999-11-08  
PRIOR APPLICATION NUMBER: 60/107727  
PRIOR FILING DATE: 1998-11-09  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 7  
LENGTH: 2508  
TYPE: PRT

Db 853 GTTTCATATTGATCGGAC-----AGCGGCTTCTACTTTCTTCAAAATATTTT 901  
 QY 349 CLTTCPAGTVLDDGTSTNFVASATECTKCSAGFFASKTTGTTAGTDTCTCTKKLTSGAT 408  
 Db 902 C---C-----CTGCCAGCCTCGTCG-TAGTTTATCA---TGGAT 934  
 QY 409 AKVVAEATOKVOCAS 424  
 Db 935 CTCATTCTGGATCAAT 950  
 RESULT 2  
 US-09-436-063C-1  
 ; Sequence 1, Application US/09436063C  
 ; Patent No. 6407210  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Bamber, Bruce  
 ; APPLICANT: Jorgensen, Erik  
 ; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and  
 ; TITLE OF INVENTION: Methods Related Thereto  
 ; FILE REFERENCE: P-1095Ccorrected  
 ; CURRENT APPLICATION NUMBER: US/09/436,063C  
 ; CURRENT FILING DATE: 1999-11-08  
 ; PRIOR APPLICATION NUMBER: 60/107727  
 ; PRIOR FILING DATE: 1998-11-09  
 ; NUMBER OF SEQ ID NOS: 18  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 1652  
 ; TYPE: PRT  
 ; ORGANISM: Caenorhabditis elegans  
 ; US-09-436-063C-1  
 Query Match 10.0%; Score 234; DB 4; Length 1652;  
 Best Local Similarity 26.4%; Pred. No. 2.4e-11;  
 Matches 115; Conservative 14; Mismatches 21; Indels 96; Gaps 17;  
 QY 20 AVPCPDGTGTGAGLDVGAADLGTVCNCR-----PNFYNGGAAQGAENGNGOPFAANNA 74  
 Db 580 ATACTAGTCAAGATTAACAGTCACCTGCAAGTGTCCAAATGGACCTGAAGCTGTTCCTCCAA 639  
 QY 75 RG-----ICVPCQINRVGSVNVAGDLAT--LATQC-STQCPTGALDDGVTDFEDRSAQ 126  
 Db 640 TGGACTCTCAACACTGTAACTTGGAAATTTGAAAGCTATGC--GTATTCGACGCCGAAT 697  
 QY 127 CVRCKPNFYNGSGPGEAGPVQVFAAGAAAGVAAVTSQVPCQLNKNDSPATAG----182  
 Db 698 CGAGTACAATAGT--GTACGTCGAAGGAGCGCAATTTGTCGAC-AGCGGTCAAGGCCGA 754  
 QY 183 -----AOANLATQCSNQCPGTGVLDDGTVLFPNT-SATLCVKCRPNFYNGSGPGEAGP 236  
 Db 755 CGCGAATCGAACTGCGATGATATAAAATTCACATAAAATCTGC-----797  
 QY 237 VQVFAAGAAAAGVAAVTSQVPCQINKNDSPATGAOANLATQCSQCTPGTAIDQGVTL 296  
 Db 798 ---CAAAAGACGACACTTGC--CAGCACTTCATCGGGACCTACTCTCGTCTACGGTTA 852  
 QY 297 VFSNSSTQ-----CSOCIANYFNGNFEAGKSQCLKCPVSKTTPAHAPGNTATQATQ 348  
 Db 853 GTTTCATATTGATCGGAC-----AGCGGCTTCTACTTTCTTCAAAATATTTT 901  
 QY 349 CLTTCPAGTVLDDGTSTNFVASATECTKCSAGFFASKTTGTTAGTDTCTCTKKLTSGAT 408  
 Db 902 C---C-----CTGCCAGCCTCGTCG-TAGTTTATCA---TGGAT 934  
 QY 409 AKVVAEATOKVOCAS 424  
 Db 935 CTCATTCTGGATCAAT 950  
 RESULT 3  
 US-09-627-650B-7  
 ; Sequence 7, Application US/09627650B

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; ORGANISM: Caenorhabditis elegans
US-09-436-063C-7

Query Match          10.0%; Score 233.5; DB 4; Length 2508;
Best Local Similarity 26.7%; Pred. No. 4.6e-11;
Matches 112; Conservative 13; Mismatches 188; Indels 107; Gaps 17;

QY 27 TOTQAGLTDVGAADLGTVCNCRPNFYNGGAAQGEANGNPPFAANNAARGICVPCQINRV 86
Db 1500 TCTAAGCTTAAACTCGTC-----GGACAAGAT-----CCAGGAGACGACAAGTG 1544

QY 87 GSVTNAGDLATATQC-----STQCPTGTALDDGVTDVDRSAACVKCPNPFYNGGSPQ 142
Db 1545 GCAGCAG-----ATCCACTGATGC--GTATTTCGACGCCGGAATCGAGTACAAATGGT-- 1595

QY 143 GEAPGVQVFAAGAAAGVAATVSOCPQLNKNDSPATAG-----AQNATQCSN 193
Db 1596 GTACGTCGAGGAGCCGAATTTGTCGAC-AGCGGTCAAGCCGCGACGCGAATCGAAGTG 1654

QY 194 QCPTGTDLDDGVTLVFNVT-SATLCVKCRPNFYNGGSPQGEAPGVQVFAAGAAAGVAAV 252
Db 1655 TCGAGTTATAAATTCATAAAATCTGC-----CAAAAACGGACAC 1694

QY 253 TSOCVPCQINKNDSPATAGAAANLATQCSTQCPTGTATQDGTATQDGTATQDGTATQDGT 304
Db 1695 TTGC--CAGCAGCTTACATCGGGGACCTACTCTGCTACGGGTTAGTTTCATATTTGATCG 1752

QY 305 CSQCIANYFFNGNFEAKGSOCLKCPVSKTTPAHAPGNATATQATQCLTTCAGTATVLDGTS 364
Db 1753 CGAC-----AGCGGCTTACTTCTTCAAAATATTTTC--C-----1787

QY 365 TNFVASATECTKCSAGFFASKTTGTTAGTDTCTECLKTSGATAKVYAEATOKVOCAS 424
Db 1788 -----CTGCCAGCCTCGTCG-TAGTTTATCA---TGGATCTCATCTCGGATCAAT 1834

RESULT 5
US-09-627-650B-3
; Sequence 3, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; FILE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: 21101.000903
; CURRENT APPLICATION NUMBER: US/09/627,650B
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 09/436,063
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-3

Query Match          10.0%; Score 233.5; DB 4; Length 2544;
Best Local Similarity 26.7%; Pred. No. 4.6e-11;
Matches 112; Conservative 13; Mismatches 188; Indels 107; Gaps 17;

QY 27 TOTQAGLTDVGAADLGTVCNCRPNFYNGGAAQGEANGNPPFAANNAARGICVPCQINRV 86
Db 1536 TCTAAGCTTAAACTCGTC-----GGACAAGAT-----CCAGGAGACGACAAGTG 1580

QY 87 GSVTNAGDLATATQC-----STQCPTGTALDDGVTDVDRSAACVKCPNPFYNGGSPQ 142
Db 1581 GCAGCAG-----ATCCACTGATGC--GTATTTCGACGCCGGAATCGAGTACAAATGGT-- 1631

QY 143 GEAPGVQVFAAGAAAGVAATVSOCPQLNKNDSPATAG-----AQNATQCSN 193
Db 1632 GTACGTCGAGGAGCCGAATTTGTCGAC-AGCGGTCAAGCCGCGACGCGAATCGAAGTG 1690

QY 194 QCPTGTDLDDGVTLVFNVT-SATLCVKCRPNFYNGGSPQGEAPGVQVFAAGAAAGVAAV 252
Db 1691 TCGAGTTATAAATTCATAAAATCTGC-----CAAAAACGGACAC 1730

QY 253 TSOCVPCQINKNDSPATAGAAANLATQCSTQCPTGTATQDGTATQDGTATQDGTATQDGT 304
Db 1731 TTGC--CAGCAGCTTACATCGGGGACCTACTCTGCTACGGGTTAGTTTCATATTTGATCG 1788

QY 305 CSQCIANYFFNGNFEAKGSOCLKCPVSKTTPAHAPGNATATQATQCLTTCAGTATVLDGTS 364
Db 1789 CGAC-----AGCGGCTTACTTCTTCAAAATATTTTC--C-----1823

QY 365 TNFVASATECTKCSAGFFASKTTGTTAGTDTCTECLKTSGATAKVYAEATOKVOCAS 424
Db 1824 -----CTGCCAGCCTCGTCG-TAGTTTATCA---TGGATCTCATCTCGGATCAAT 1870

; ORGANISM: Caenorhabditis elegans
US-09-436-063C-3
; Sequence 3, Application US/09436063C
; Patent No. 6407210
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; FILE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: P-1095corrected
; CURRENT APPLICATION NUMBER: US/09/436,063C
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 2544
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-3

Query Match          10.0%; Score 233.5; DB 4; Length 2544;
Best Local Similarity 26.7%; Pred. No. 4.6e-11;
Matches 112; Conservative 13; Mismatches 188; Indels 107; Gaps 17;

QY 27 TOTQAGLTDVGAADLGTVCNCRPNFYNGGAAQGEANGNPPFAANNAARGICVPCQINRV 86
Db 1536 TCTAAGCTTAAACTCGTC-----GGACAAGAT-----CCAGGAGACGACAAGTG 1580

QY 87 GSVTNAGDLATATQC-----STQCPTGTALDDGVTDVDRSAACVKCPNPFYNGGSPQ 142
Db 1581 GCAGCAG-----ATCCACTGATGC--GTATTTCGACGCCGGAATCGAGTACAAATGGT-- 1631

QY 143 GEAPGVQVFAAGAAAGVAATVSOCPQLNKNDSPATAG-----AQNATQCSN 193
Db 1632 GTACGTCGAGGAGCCGAATTTGTCGAC-AGCGGTCAAGCCGCGACGCGAATCGAAGTG 1690

QY 194 QCPTGTDLDDGVTLVFNVT-SATLCVKCRPNFYNGGSPQGEAPGVQVFAAGAAAGVAAV 252
Db 1691 TCGAGTTATAAATTCATAAAATCTGC-----CAAAAACGGACAC 1730

QY 253 TSOCVPCQINKNDSPATAGAAANLATQCSTQCPTGTATQDGTATQDGTATQDGTATQDGT 304
Db 1731 TTGC--CAGCAGCTTACATCGGGGACCTACTCTGCTACGGGTTAGTTTCATATTTGATCG 1788

QY 305 CSQCIANYFFNGNFEAKGSOCLKCPVSKTTPAHAPGNATATQATQCLTTCAGTATVLDGTS 364
Db 1789 CGAC-----AGCGGCTTACTTCTTCAAAATATTTTC--C-----1823

QY 365 TNFVASATECTKCSAGFFASKTTGTTAGTDTCTECLKTSGATAKVYAEATOKVOCAS 424
Db 1824 -----CTGCCAGCCTCGTCG-TAGTTTATCA---TGGATCTCATCTCGGATCAAT 1870
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; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 2601
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-436-063C-9

Query Match      10.0%; Score 233.5; DB 4; Length 2601;
Best Local Similarity 26.7%; Pred. No. 4.7e-11;
Matches 112; Conservative 13; Mismatches 188; Indels 107; Gaps 17;

QY 27 TQTQAGLTDVGAADLGTVCNCRPNFYNGGAAGGANGNQPFAANNAARGICVPCQINRV 86
Db 1593 TCTAAGCTTAAACTCGTC-----GGACAAGAT-----CCAGGAGAACGACAAGTG 1637
QY 87 GSVTNAGDLATLATQC-----STQCPTGTALDDGVTDVDRSAAOCVKCKPNFYNGGSPQ 142
Db 1638 GCAGCAG-----ATCCACTGATGC--GTATTGCGAGCGCGGAATCGAGTACAAATGGT-- 1688
QY 143 GEAPGVQVFAAGAAAGVAATVSCVPCQLNKNDSPATAG-----AQAANLATQCSN 193
Db 1689 GTACGTCGAAGGAGCGGAATTGTTGCAC--AGCGGTCAAGCGCGGACGCAACATCGAAGTG 1747
QY 194 QCPTGTVLDDGVTLVFNLT-SATLCVKCRPNFYNGGSPQGEAPGVQVFAAGAAAGVAAV 252
Db 1748 TCGAGTTATAAATTCACATAAATCTGC-----CAAAAACGGACAC 1787
QY 253 TSQCVPQCQLNKNDSPATAGAAANLATQCSQCPGTGTAIDGVTLVFSNSTQ----- 304
Db 1788 TTGC--CAGCACTTCATCGGGGACCTACTCTGCTACGGGTAGTTTCATATTGATCG 1845
QY 305 CSQCIAANYFFNGFNFAGKSQCLKCPVSKTTPAHAPGNATATQATCCLTTCAGTVDLDDGTS 364
Db 1846 CGAC-----AGCGGCTTCTACTTTCTTCAAAATATTTTC--C----- 1880
QY 365 TNFVASATECTKCSAGFFASKTTGTTAGTDTCTECHKLTGSGATAKVYAEATQKVQCAST 424
Db 1881 -----CTGCCAGCCTCGTCG-TAGTTTATCA---TGGATCTCAITCTGGATCAAT 1927

RESULT 9
US-09-627-650B-5
; Sequence 5, Application US/09627650B
; Patent No. 6406872
; GENERAL INFORMATION:
; APPLICANT: Bamber, Bruce
; APPLICANT: Jorgensen, Erik
; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and
; TITLE OF INVENTION: Methods Related Thereto
; FILE REFERENCE: 21101.000903
; CURRENT APPLICATION NUMBER: US/09/627,650B
; CURRENT FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 09/436,063
; PRIOR FILING DATE: 1999-11-08
; PRIOR APPLICATION NUMBER: 60/107,727
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 1917
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-627-650B-5

Query Match      9.8%; Score 230; DB 4; Length 1917;
Best Local Similarity 26.1%; Pred. No. 6.4e-11;
Matches 109; Conservative 14; Mismatches 203; Indels 92; Gaps 18;

QY 26 CTQTAQAGLTDVGAADLGTVCNCRPNFYNGGAAGGANGNQPFAANNAARGICVPC 81
Db 476 GTTGAATTACGATACACAGGTTTCTTCAATCTCTCGAGTTTCAGAAAGTGTATGGAATTC 535
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APPLICANT: Bamber, Bruce  
APPLICANT: Jorgensen, Erik  
TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and  
TITLE OF INVENTION: Methods Related Thereto  
FILE REFERENCE: P-1095corrected  
CURRENT APPLICATION NUMBER: US/09/436,063C  
CURRENT FILING DATE: 1999-11-08  
PRIOR APPLICATION NUMBER: 60/107727  
PRIOR FILING DATE: 1998-11-09  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 11  
LENGTH: 1128  
TYPE: PRT  
ORGANISM: Caenorhabditis elegans  
US-09-436-063C-11

Query Match 9.4%; Score 219.5; DB 4; Length 1128;  
Best Local Similarity 25.0%; Pred. No. 2.5e-10;  
Matches 113; Conservative 13; Mismatches 197; Indels 129; Gaps 18;

QY 23 CPDGTQAGLTDVGAADLGTVCNCRPNFYNGGAAQGEANGNPPFAANNAARGICVPCQ 82  
DB 77 CTCGTCGTCGTT--GCTTCTCATCA-----ACATAGATAGATTCAA-----CC-CG 120  
QY 83 INRVGSVTNAGDLATLQ-----CSTOCPT-----GT 110  
DB 121 CTTAACCTGTGTCATCATATCAACCCACCAACCATGAAGCCCAATGTGTTACAGATGCGT 180  
QY 111 ALDDGVDFRBSAQCCKVKNFYNGSGPQGEAPGVQVFAAGAAAAGVAAVTSOCVPC 170  
DB 181 APTCAGCGCCGAATAGTACAAATGGT--GTACGTCGAAGAGCCGAATGTTGCGAC 238  
QY 171 QLNKNDSPATAG-----AQLNATQCSNOCPTGTVLDGTVLVFNT--SATLCVKCR 220  
DB 239 -AGCGTCAAGCGCGACGCAACATCGACTGCTGAGTTATAATTCACATAAATCTGC- 296  
QY 221 PNFYNGSGPQGEAPGVQVFAAGAAAAGVAAVTSOCVPCOINKNDSPATAGAQLATQC 280  
DB 297 -----CAAAACGGACACCTTGC--CAGCATTCTATCGGGGACCTAC 335  
QY 281 STQCPTGTAIQDGVTLVFSNSTQ-----CSQCIANYFFNFGKQSKCLKCPVSK 332  
DB 336 TCTCGTCTACGGTTAGTTTCATATTTTCATCGCGAC-----AGCGGCTTCTACT 384  
QY 333 TTPAHAPGNATQATQCLTTCCTAGTVLDGTSNFEVASATECTKCSAGFFASKTTGPTAG 392  
DB 385 TTCTTCAAAATATTTTC--C-----CTGCCAGCCTCGTCG-TAG 420  
QY 393 TDFCTECTKLTSGATAKVYAEATOKVQCAST 424  
DB 421 TTTTATCA---TGGATCTCATCTCGATCAAT 449

RESULT 13  
US-08-209-521-11  
Sequence 11, Application US/08209521  
Patent No. 5922855  
GENERAL INFORMATION:  
APPLICANT: Liskay, Robert M.  
APPLICANT: Bronner, C. Eric  
APPLICANT: Baker, Sean M.  
APPLICANT: Boliad, Roni J.  
APPLICANT: Kolodner, Richard D.  
TITLE OF INVENTION: MAMMALIAN DNA MISMATCH REPAIR GENES  
TITLE OF INVENTION: hMLH1 AND hPMS1  
NUMBER OF SEQUENCES: 30  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Heuser  
STREET: 520 S.W. Yamhill, Suite 200  
CITY: Portland  
STATE: Oregon

COUNTRY: US  
ZIP: 97204  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/209,521  
FILING DATE: 08-MAR-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Van Rysseberghe, Pierre C.  
REGISTRATION NUMBER: 33,557  
REFERENCE/DOCKET NUMBER: OHSU 306A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (503) 224-6655  
TELEFAX: (503) 295-6679  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 341 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
POSITION IN GENOME:  
MAP POSITION: 3p21.3-23  
US-08-209-521-11

Query Match 9.4%; Score 219; DB 2; Length 341;  
Best Local Similarity 27.6%; Pred. No. 6.1e-11;  
Matches 113; Conservative 17; Mismatches 185; Indels 94; Gaps 20;

QY 37 GAADLGTVCNCRPNFYNGGAAQGEANGNPPFAANNAARGICVPCOINRVGSVTNAGDLA 96  
DB 1 GAAT--TCAAAGAGATTGGAA-----AATGAGTAACA-----TGATTATTAC 42  
QY 97 TLATQCSQCPTGTFALDDGVTFVDRSA-AQCVKCKPNFYNGSGP-----QGEAPG 147  
DB 43 TCAT--CTTTTGGTATCTAACAAAAGAAGATC-----TGATATTGTTGTAAG 92  
QY 148 VQVFAAGAAAAGVAAVTSOCV-PCQLNKNDSPA---TAGAQLATQCSNOCPTGVLD 203  
DB 93 GKTCACTACTAGTAACCTGCAGTCTTTGAGGADTTTAGCCAGTATTCTACCTAT---G 149  
QY 204 GVTLVFNTSATLCVKCRPNFYNGSGPQ--EAPGVQVFAAGAAAAG---VAAVTSOCVP 258  
DB 150 GCTTTCGAGGTGA-----GGTAAGCTAAAGATTCAGAAATCTKTAATAATCCT 199  
QY 259 COINKNDSPATAGAQLATQCSQCPTGTAIQDGVTLVFSNSTQCSQCIANYFFNGNF 318  
DB 200 C-----CTGTGATGACATTGTGT-CATTGTTAGTATGATTCTCAAC----- 244  
QY 319 EAGKSQCLKCPVSKTTPAHAPGNATQATQCLTTCCTAGTVLDGTSNFEVASATECTKCS 378  
DB 245 -----ATAGATAAATAAGGTTTGTGCTTACT-----TGTTAATGT-ATGCA 289  
QY 379 AGFFASKTTGFTAGTDTCTECTKLTSGATAKVYAEATOKVQCASTTFA 427  
DB 290 AA--TGTATGCAAAATCTGHGCAAACTTAATG---ADCTTTAACTTCAA 333

RESULT 14  
US-09-548-372D-13  
Sequence 13, Application US/09548372D  
Patent No. 6420534  
GENERAL INFORMATION:  
APPLICANT: GURNEY ET AL.  
TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USE  
TITLE OF INVENTION: THEREOF  
FILE REFERENCE: 29915/G2801  
CURRENT APPLICATION NUMBER: US/09/548,372D  
CURRENT FILING DATE: 2000-04-12

; PRIOR APPLICATION NUMBER: US 60/155,493  
; PRIOR FILING DATE: 1999-09-23  
; PRIOR APPLICATION NUMBER: US 09/404,133  
; PRIOR FILING DATE: 1999-09-23  
; PRIOR APPLICATION NUMBER: PCT/US99/20881  
; PRIOR FILING DATE: 1999-09-23  
; PRIOR APPLICATION NUMBER: US 60/101,594  
; PRIOR FILING DATE: 1998-09-24  
; NUMBER OF SEQ ID NOS: 73  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 2088  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-548-372D-13

Query Match 8.6%; Score 202.5; DB 4; Length 2088;  
Best Local Similarity 23.5%; Pred. No. 1.5e-08;  
Matches 115; Conservative 16; Mismatches 226; Indels 133; Gaps 19;  
QY 23 CPDGTQTQAGLTDVG-----AADLGTVCNCRPNFYNGGAAOGEA-----NGNQPPA 69  
Db 141 CCAGAATGGGAAGTGGGATTCAGATCCATCA-----GGACCAAAACCTGCATTGATACC 195  
QY 70 ANNAARICVPCQINRVGSVTNAGDLATLQTCSTQCPGTGTALDDGVTDVDFDRSAAQCVK 129  
Db 196 AAGGAAGGCATCCTGCAGTATTGCCAAGAAGTCTACCCCTGAAC-----GCAGATCAC 248  
QY 130 CKPNFYNGSGPOGEAPGVQVFAAGAAAGVAATVTSQCPQINKNDSPATAGAANLAT 189  
Db 249 C-----AATGTGGTAGAAGCCAAACCAACCACTGACCATC-----CAGAACTGGT 292  
QY 190 QCSNQCPGT-----TVLDDGVTLVFNTSATLCVKCR 220  
Db 293 GCAAGCGGGCCCAAGCAGTGCAGACCCATCCCACTTTGTGATTCCTACCGCTGC- 351  
QY 221 PNFYNGSGPOGEAPGVQVFAAGAAAGVAATVTSQ-VPQINKNDSPATAGAANLATQ 279  
Db 352 TTAGTTGGTGAGTTTGT-----AAGTGATGCCCTTCTCGTTC-----CTGACAAGTGCAAAAT 404  
QY 280 CSTQC-----PTGTAIQDGVTLVFSNSTQCS-----QCIAAN 311  
Db 405 CTACACAGGAGAGAGTGGATGTTTGGAAACTCATCTTCACTGGCACACCGTGCCTG 464  
QY 312 YFEN-----GNFPAKSQLKCPVSKTTPA-HAPGNATQATQCLTTCPAGTVL 359  
Db 465 AGAGACATGCAGTGAGAAGAGTACCAACTTGCATGACTACGCGCATGTTGCTGCCCTG-C 522  
QY 360 DGTSTNFMVASATECTKCSAGFFASKTTGTTAGTDT-----CTECTKLTSGATAKYVAE 414  
Db 523 GGAATTGACAAGTTC--CGAGGGGTAGAGTTTGTGTGTGTTGCCCTGCTGCTGAAGAAAGTG 580  
QY 415 ATQKVOCAST 424  
Db 581 A-----CAAT 585

## RESULT 15

US-09-548-367D-13  
; Sequence 13, Application US/09548367D  
; Patent No. 6440698  
; GENERAL INFORMATION:  
; APPLICANT: GURNEY ET AL.  
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USES  
; FILE OF INVENTION: THEREOF  
; FILE REFERENCE: 29915/6280H  
; CURRENT APPLICATION NUMBER: US/09/548,367D  
; CURRENT FILING DATE: 2000-04-12  
; PRIOR APPLICATION NUMBER: US 60/155,493  
; PRIOR FILING DATE: 1999-09-23  
; PRIOR APPLICATION NUMBER: US 09/404,133  
; PRIOR FILING DATE: 1999-09-23  
; PRIOR APPLICATION NUMBER: PCT/US99/20881

; PRIOR FILING DATE: 1999-09-23  
; PRIOR APPLICATION NUMBER: US 60/101,594  
; PRIOR FILING DATE: 1998-09-24  
; NUMBER OF SEQ ID NOS: 73  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 2088  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-548-367D-13

Query Match 8.6%; Score 202.5; DB 4; Length 2088;  
Best Local Similarity 23.5%; Pred. No. 1.5e-08;  
Matches 115; Conservative 16; Mismatches 226; Indels 133; Gaps 19;  
QY 23 CPDGTQTQAGLTDVG-----AADLGTVCNCRPNFYNGGAAOGEA-----NGNQPPA 69  
Db 141 CCAGAATGGGAAGTGGGATTCAGATCCATCA-----GGACCAAAACCTGCATTGATACC 195  
QY 70 ANNAARICVPCQINRVGSVTNAGDLATLQTCSTQCPGTGTALDDGVTDVDFDRSAAQCVK 129  
Db 196 AAGGAAGGCATCCTGCAGTATTGCCAAGAAGTCTACCCCTGAAC-----GCAGATCAC 248  
QY 130 CKPNFYNGSGPOGEAPGVQVFAAGAAAGVAATVTSQCPQINKNDSPATAGAANLAT 189  
Db 249 C-----AATGTGGTAGAAGCCAAACCAACCACTGACCATC-----CAGAACTGGT 292  
QY 190 QCSNQCPGT-----TVLDDGVTLVFNTSATLCVKCR 220  
Db 293 GCAAGCGGGCCCAAGCAGTGCAGACCCATCCCACTTTGTGATTCCTACCGCTGC- 351  
QY 221 PNFYNGSGPOGEAPGVQVFAAGAAAGVAATVTSQ-VPQINKNDSPATAGAANLATQ 279  
Db 352 TTAGTTGGTGAGTTTGT-----AAGTGATGCCCTTCTCGTTC-----CTGACAAGTGCAAAAT 404  
QY 280 CSTQC-----PTGTAIQDGVTLVFSNSTQCS-----QCIAAN 311  
Db 405 CTACACAGGAGAGAGTGGATGTTTGGAAACTCATCTTCACTGGCACACCGTGCCTG 464  
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Db 465 AGAGACATGCAGTGAGAAGAGTACCAACTTGCATGACTACGCGCATGTTGCTGCCCTG-C 522  
QY 360 DGTSTNFMVASATECTKCSAGFFASKTTGTTAGTDT-----CTECTKLTSGATAKYVAE 414  
Db 523 GGAATTGACAAGTTC--CGAGGGGTAGAGTTTGTGTGTGTTGCCCTGCTGCTGAAGAAAGTG 580  
QY 415 ATQKVOCAST 424  
Db 581 A-----CAAT 585

Search completed: February 11, 2003, 19:49:12  
Job time : 24.1143 secs

